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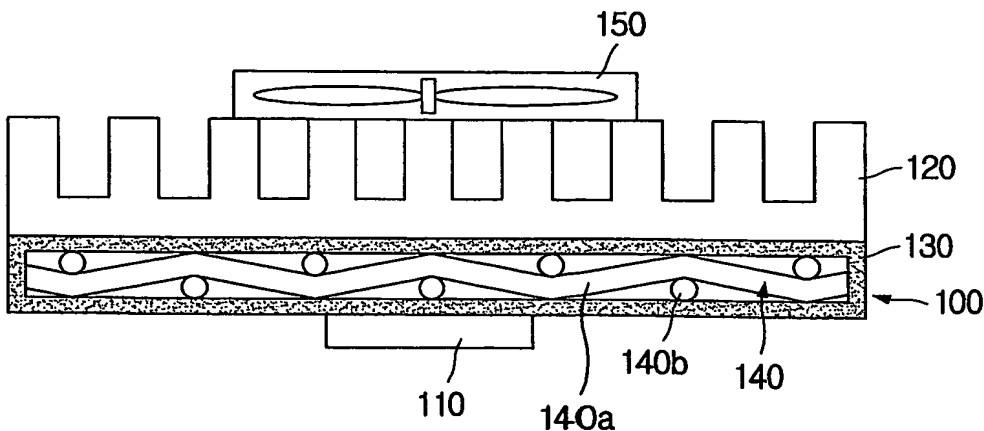
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- (71) Applicant (for all designated States except US): LG CABLE LTD. [KR/KR]; 19-20F Asem Tower, 159 Samsung-dong, Gangnam-gu, Seoul 135-090 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LEE, Yong-Duck [KR/KR]; 109-2001 Moraksan Hyundai Apt. Ojeon-dong, Euiwang-si, Gyeonggi-do 437-070 (KR). HONG, Young-Ho [KR/KR]; 210-1401 Hansolmaeul LG Apt. Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-909 (KR). OH, Min-Jung [KR/KR]; 112-301 Samsung Apt. Anyang 1-dong, Manan-gu, Anyang-si, Gyeonggi-do 430-710 (KR). KIM, Hyun-Tae [KR/KR];

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(54) Title: FLAT PLATE HEAT TRANSFER DEVICE



(57) Abstract: Disclosed is a flat plate heat transfer device, which includes a thermal-conductive flat case installed between a heat source and a heat emitting unit and containing a working fluid which is evaporated with absorbing heat from the heat source and is condensed with emitting heat to the heat emitting unit; and one layer of mesh installed in the flat case and configured so that wires are woven to be alternately crossed up and down. A dispersion channel of a vapor is formed along a surface of the wire from a cross point of the mesh near the heat source, and a flow channel of a liquid is formed by means of a capillary phenomenon along a length direction of the wire from a mesh lattice near the heat emitting unit to a mesh lattice near the heat source.

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